

IN THE SPECIFICATION:

Insert the heading beginning at page 1, line 3 as follows:

BACKGROUND OF THE INVENTION

Heading beginning at page 1, line 17 has been amended as follows:

~~BACKGROUND OF THE INVENTION~~ DESCRIPTION OF THE RELATED ART

Paragraph beginning at page 19, line 22 has been amended as follows:

In [[a]] the prior art, in order to avoid decrease of accuracy of channel estimation due to thermal noise, a number of preamble signals are transmitted so that they are averaged to suppress noise component in a receiver for decreasing affection of thermal noise, and/or moving average of received preamble signals for channel estimation is taken on frequency axis (i.e. frequency-oriented moving average) for suppressing noise component and decreasing affection of thermal noise. However, the former has the disadvantage that transmission efficiency, that is throughput performance, is decreased, because ratio of preamble signals to all the signals in a packet is increased. The latter has the disadvantage that accuracy of channel estimation is decreased because of moving average on frequency axis which can not follow large change of channel condition between the subcarriers. Thus, in a prior art, weighting operation by using accurate signal level information is difficult, and high transmission quality can not be obtained.